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TITLE: LASER DIODE DRIVE CIRCUIT
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ABSTRACT:

PURPOSE: To keep the peak value of an optical output level constant independent of the temperature change by a method wherein the data corresponding to a temperature property of a laser diode is stored in a storage circuit, and a drive current of an alternate current component drive circuit is made to change.

CONSTITUTION: A thermosensor 6 detects an ambient temperature of a laser diode 11, and the detected temperature is converted into voltage, which is given to a storage circuit 5. A special data having a specified relation with the input voltage is stored in the memory circuit 5, and the circuit 5 outputs a certain signal corresponding to the input voltage as responding to it. That is, the storage circuit 5 transmits a control signal, which is used for the control of an alternate current component drive circuit 4 corresponding to the output (detected temperature) of the thermosensor 6. By this setup, the peak value of an optical output level can be kept constant independent of the change of temperature.

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